

SEMINAR ANNOUNCEMENT

Organic transistors: A platform for ubiquitous ultra-low-cost electronics

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Organic semiconductors have received substantial attention in recent years due to their low potential cost, ease of fabrication, and versatile material system. In particular, organic semiconductors have made substantial progress in the arena of flat-panel displays, and the first organic semiconductor-based display products have recently entered the marketplace. In the future, organic semiconductors may see increased use in flexible low-cost display, high-brightness high-resolution displays, low-cost

electronics applications, and in numerous sensing and actuating applications. In this presentation, I will discuss the state of the art of organic semiconductor technology and will discuss the potential future of this dynamic field of research. I will introduce various technological challenges that lie ahead and will discuss potential methods for overcoming the same. Finally, I will discuss novel applications of organic semiconductors in various non-tradition systems including clothes, food packaging, and various other systems driven by cost and/or integrated display, computation, and sensing requirements.

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For further details see Eric Lin